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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,966	08/29/2006	Osamu Funahashi	2006_1133A	5617
	7590 08/29/200 , LIND & PONACK L	EXAMINER		
2033 K. STREET, NW			LE, HUYEN D	
SUITE 800 WASHINGTON, DC 20006			ART UNIT	PAPER NUMBER
			2615	
			MAIL DATE	DELIVERY MODE
			08/29/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/590,966	FUNAHASHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	HUYEN D. LE	2615			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 29 Au This action is FINAL . 2b) ☑ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ acce	r election requirement. r.	≅xaminer.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 8/29/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

 (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United
- 2. Claims 1 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Funahashi (JP 2004-304512) as cited by the Applicant.

States and was published under Article 21(2) of such treaty in the English language.

Regarding claim 1, Funahashi'512 teaches a cylindrical frame (18), a magnetic circuit (9) disposed on an inner bottom face of the frame, a voice coil (14) having a coil portion (15) disposed in a magnetic gap (13), a diaphragm (16) fixed to the frame via a first edge (17) along an outer periphery thereof, a support (19) fixed to the diaphragm on a side of the magnetic circuit at one end and fixed to a vicinity of the magnetic circuit via a second edge (20) at the other end. As shown in the drawings, the first edge (17) is substantially analogous to the second edge (20) in shape as claimed.

Regarding claim 6, the first edge (17) and the second edge (20) are both formed of the urethane material.

3. Claims 1 and 6 are rejected under 35 U.S.C. 102(e) as being anticipated by Funuhashi (U.S. patent 7,324,659)

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The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claim 1, Funahashi teaches a cylindrical frame (12), a magnetic circuit (5) disposed on an inner bottom face of the frame, a voice coil (8) having a coil portion (7) disposed in a magnetic gap (6), a diaphragm (9) fixed to the frame via a first edge (10) along an outer periphery thereof, a support (13) fixed to the diaphragm on a side of the magnetic circuit at one end (13A) and fixed to a vicinity of the magnetic circuit via a second edge (11) at the other end (13B). As shown in the drawings, the first edge (10) is substantially analogous to the second edge (11) in shape as claimed.

Regarding claim 6, Funuhashi teaches the first edge and the second edge which are made of substantially the same material (col. 5, lines 9-10 and lines 51-55; and col. 6, lines 4-5).

Allowable Subject Matter

4. Claims 2-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Shteyn (U.S. patent 6,031,925) teaches a loudspeaker having a chassis, a cone, an actuator and a sub-frame.

Funuhashi et al. (U.S. patent 7,209,570) teaches a loudspeaker having an outer periphery of a suspension holder which is linked with a frame by a second edge.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUYEN D. LE whose telephone number is (571) 272-7502. The examiner can normally be reached on 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SUHAN NI can be reached on (571) 272-7505. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HUYEN D. LE/ Primary Examiner, Art Unit 2615

HL

August 27, 2008